

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6204424").PN.	USPAT	OR	OFF	2005/07/18 07:15
L2	1	("20020137966").PN.	US-PGPUB	OR	OFF	2005/07/18 07:15
L3	1	("20030055279").PN.	US-PGPUB	OR	OFF	2005/07/18 07:16
L4	1	("20030109745").PN.	US-PGPUB	OR	OFF	2005/07/18 07:17
L5	1	("20030125578").PN.	US-PGPUB	OR	OFF	2005/07/18 07:30
L6	579	560/106 OR 560/240	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/18 07:30
L7	292	L6 AND (ANHYDRIDE OR ANHYDRIDES) AND (ETHER OR ETHERS)	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/18 07:31
L8	231	L7 AND CATALYST	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/18 07:34
L9	16	L8 AND (POLYOXOMETALATE OR HETEROPOLYACIDS OR HETEROPOLYACID OR SILICOMOLYBDIC OR SILICOTUNGSTIC OR SILICOMOLYBDATE OR SILICOTUNGSTATE OR PHOSPHOTUNGSTATE OR PHOSPHOTUNGSTIC OR PHOSPHOVANADATE OR PHOSPHOVANADIC)	USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/18 07:36

EAST SEARCH HISTORY 10/664,307

## STN SEARCH TRANSCRIPT

10/664,307

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FILE 'HOME' ENTERED AT 07:59:47 ON 18 JUL 2005

=> FILE REG

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.63	0.63

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 08:01:15 ON 18 JUL 2005  
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STRUCTURE FILE UPDATES: 17 JUL 2005 HIGHEST RN 855596-49-5  
DICTIONARY FILE UPDATES: 17 JUL 2005 HIGHEST RN 855596-49-5

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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\*\*\*\*\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*\*\*\*\*

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\OOMS DIBENZYL ESTERS REACTANT.str

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

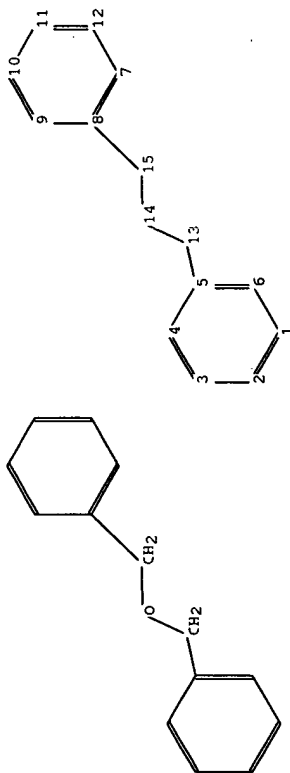
LOGINID:SSSPTA1623ZCT

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 PATDPATULL - New display fields provide for legal status data from INPAOC  
NEWS 4 FEB 28 BABS - Current-awareness alerts (SDIs) available  
NEWS 5 MAR 02 GBFULL: New full-text patent database on STN  
NEWS 6 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 22 KOREAPAT now updated monthly; patent information enhanced  
NEWS 9 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY  
NEWS 10 MAR 22 PATDPASPC - New patent database available  
NEWS 11 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags  
NEWS 12 APR 04 ERFULL enhanced with additional patent information and new fields  
NEWS 13 APR 04 EMBASE - Database reloaded and enhanced  
NEWS 14 APR 18 New CAS Information Use Policies available online  
NEWS 15 APR 25 Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.  
NEWS 16 APR 28 Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS  
NEWS 17 MAY 23 GBFULL enhanced with patent drawing images  
NEWS 18 MAY 23 REGISTRY has been enhanced with source information from CHEMCATS  
NEWS 19 JUN 06 The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available  
NEWS 20 JUN 13 RUSSIAPAT: New full-text patent database on STN  
NEWS 21 JUN 13 FRFULL enhanced with patent drawing images  
NEWS 22 JUN 27 MARPAT displays enhanced with expanded G-group definitions and text labels  
NEWS 23 JUL 01 MEDICONF removed from STN  
NEWS 24 JUL 07 STN Patent Forums to be held in July 2005  
NEWS 25 JUL 13 SCISEARCH reloaded  
  
NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0c(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005  
  
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Welcome Banner and News Items  
Direct Dial and Telecommunication Network Access to STN  
CAS World Wide Web Site (general information)  
  
Enter NEWS followed by the item number or name to see news on that specific topic.



chain nodes :

13 14 15  
ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

5-13 8-15 13-14 14-15

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact bonds :

5-13 8-15 13-14 14-15

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

isolated ring systems :

containing 1 : 7 :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS

L1 STRUCTURE UPLOADED

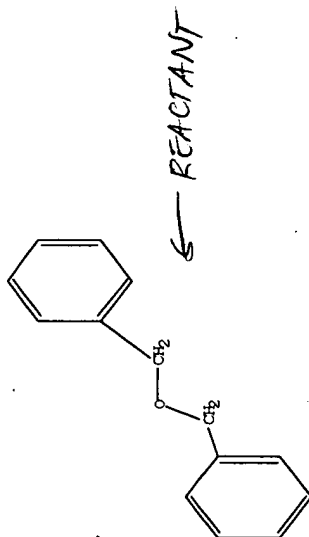
=> que L1

L2 QUE L1

=> D L2

L2 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.  
L2 QUE ABB-ON PLU-ON L1

=> S L2

SAMPLE SEARCH INITIATED 08:01:29 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 31773 TO ITERATE

6.3% PROCESSED 2000 ITERATIONS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

5 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 624806 TO 646114

PROJECTED ANSWERS: 1054 TO 2122

L3 5 SEA SSS SAM L1

=> S L2 SSS FULL

FULL SEARCH INITIATED 08:01:35 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 638294 TO ITERATE

100.0% PROCESSED 638294 ITERATIONS

SEARCH TIME: 00.00.03

1562 ANSWERS

L4 1562 SEA SSS FUL L1

=> FILE CAPLUS

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
161.33	161.96

FILE 'CAPLUS' ENTERED AT 08:01:42 ON 18 JUL 2005

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FILE COVERS 1907 - 18 Jul 2005 VOL 143 ISS 4  
FILE LAST UPDATED: 17 Jul 2005 (20050717/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L4/RT 1899 L4  
2751237 RCT/RL  
511 L4/RT  
(L4, L) RCT/RL

=> S L5 AND (BENZYL ESTER OR ACID OR LEWIS OR HETEROPOLY? OR POLYOXO? OR ANHYDRIDE)

168374 BENZYL  
52 BENZYL  
168396 BENZYL  
(BENZYL OR BENZYL)  
563781 ESTER  
420249 ESTERS  
787260 ESTER  
(ESTER OR ESTERS)  
10701 BENZYL ESTER  
(BENZYL(W)ESTER)  
4004121 ACID  
1483471 ACIDS  
4484112 ACID  
(ACID OR ACIDS)  
46700 LEWIS  
15261 HETEROPOLY?  
3038 POLYOXO?  
197048 ANHYDRIDE  
31497 ANHYDRIDES  
207170 ANHYDRIDE  
(ANHYDRIDE OR ANHYDRIDES)

L6 215 L5 AND (BENZYL ESTER OR ACID OR LEWIS OR HETEROPOLY? OR POLYOXO? OR ANHYDRIDE)

=> S L6 NOT BENZYL ESTER  
168374 BENZYL  
52 BENZYL  
168396 BENZYL  
(BENZYL OR BENZYL)  
563781 ESTER  
420249 ESTERS  
787260 ESTER  
(ESTER OR ESTERS)

L7 10701 BENZYL ESTER  
(BENZYL(W)ESTER)  
206 L6 NOT BENZYL ESTER

=> S L6 NOT ACID  
4004121 ACID  
1483471 ACIDS  
4484112 ACID  
(ACID OR ACIDS)  
10 L6 NOT ACID

=> D 1-10

L8 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2005-327786 CAPLUS  
DN 143:43669

TI Zirconocene-Mediated and/or Catalyzed Unprecedented Coupling Reactions of Alkoxyethyl-Substituted Styrene Derivatives  
AU Ikeuchi, Yutaka; Teague, Takeo; Hanzawa, Yuji  
CS Sankyo Co. Ltd.; Kanagawa, 254-8560, Japan  
SO Journal of Organic Chemistry (2005), 70(11), 4354-4359  
CODEN: JOCEAH; ISSN: 0022-3263

PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 23

THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004-465632 CAPLUS  
DN 141:174373

TI Unexpected reductions of glycosyl spacer-armed phthalimides  
AU Meng, Xiang-Bao; Li, Hui; Lou, Qing-Hua; Cai, Meng-Shen; Li, Zhong-Jun  
CS Department of Chemical Biology, School of Pharmaceutical Sciences, National Research Laboratory of Natural and Biomimetic Drugs, Peking University, Beijing, 100083, Peop. Rep. China  
SO Carbohydrate Research (2004), 339(8), 1497-1501  
CODEN: CBRAT; ISSN: 0008-6215

PB Elsevier  
DT Journal  
LA English  
OS CASREACT 141:174373

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2001-804409 CAPLUS  
DN 136:118050

TI FeCl3-adsorbed on montmorillonite K-10: an efficient catalyst for one-pot dealkylation-acetylation of ethers  
AU Lakouraj, Mansour; Movassagh, B.; Fasihi, J.  
CS Department of Chemistry, Mazandaran University, Babol, 407415/453, Iran

SO Journal of Chemical Research, Synopses (2001), (9), 378-379  
CODEN: JRPSCD; ISSN: 0308-2342

PB Science Reviews  
DT Journal  
LA English  
OS CASREACT 136:118050

RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1997-761624 CAPLUS  
DN 128:23011

TI Dimethylaluminum hydride composition, process for producing the same and method of reducing viscosity of dimethylaluminum hydride  
IN Kajihara, Kazuhisa; Yako, Tadaaki  
PA Sumitomo Chemical Company, Ltd., Japan

SO U.S., 5 pp., Cont.-in-part of U.S. Ser. No. 637,904, abandoned.  
CODEN: USXXAM

DT Patent  
LA English  
FAN.CNT 2

CROSS  
REF'D.  
W/  
TEXT  
TERMS

PI US 5690726 A 19971125 US 1996-764623 19961211  
JP 09012581 A2 19970114 JP 1996-14117 19960130  
GB 2309970 A1 19970813 GB 1997-7230 19960429  
GB 2309970 B2 19980107  
PRAI JP 1995-106758 A 19950428  
JP 1996-14117 A 19960130  
US 1996-637904 B2 19960426  
GB 1996-8938 A3 19960429

L8 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1993:603874 CAPLUS  
DN 119:203874  
TI Preparation of aromatic peptidomimetics  
IN Hirschmann, Ralph; Leahy, Ellen; Sprengeler, Paul  
PA University of Pennsylvania, USA  
SO PCT Int. Appl., 33 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PI WO 9312084 A1 19930624 WO 1992-US10694 19921211  
W: CA, JP  
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE  
US 5250564 A 19931005 US 1991-806048 19911212  
PRAI US 1991-806048 A 19911212  
OS MARPAT 119:203874

L8 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1993:428011 CAPLUS  
DN 119:28011  
TI 1,2-Dihydro-2-oxopyridines as angiotensin II antagonists  
IN Mederski, Werner; Beier, Norbert; Schelling, Pierre; Lues, Ingeborg;  
PA Minck, Klaus Otto  
Merck Patent G.m.b.H., Germany  
SO Eur. Pat. Appl., 22 pp.  
CODEN: EFXDOW  
DT Patent  
LA German  
FAN.CNT 2

PI EP 530702 A1 19930310 EP 1992-114738 19920828  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE  
DE 4129340 A1 19930311 DE 1991-4129340 19910904  
AU 9222055 A1 19930311 AU 1992-22055 19920901  
AU 660321 B2 19950622 19920901  
CA 2077412 A 19930305 CA 1992-2077412 19920902  
NO 9203434 A 19930305 NO 1992-3434 19920903  
RU 2067975 C1 19961020 RU 1992-5052529 19920903  
ZA 9206733 A 19930310 ZA 1992-6733 19920904  
JP 05194397 A2 19930803 JP 1992-237202 19920904  
HU 64520 A2 19940128 HU 1992-2848 19920904  
ES 2064229 B1 19960301 ES 1992-2251 19921106  
PRAI DE 1991-4129340 A 19950116  
OS MARPAT 119:28011

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1992:530880 CAPLUS  
DN 117:130880

TI Benzyl acetate from dibenzyl ether  
AU Ondruschka, B.; Zimmermann, G.; Wallach, D.  
CS Bereich Org. Grundst., Zentralinst. Org. Chem., Leipzig, O-7050, Germany  
SO Journal fuer Praktische Chemie/Chemiker-Zeitung (1992), 334(3), 281-2  
CODEN: JPCCEM; ISSN: 0941-1216  
DT Journal  
LA German

L8 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1991:23247 CAPLUS  
DN 114:23247  
TI Refinement of the composition and reaction routes of peroxides in the  
autoxidation of dibenzyl ether  
AU Voronina, S. G.; Krutskaya, L. V.; Perkel, A. L.; Freidin, B. G.  
CS Kuzbass. Politekh. Inst., USSR  
SO Zhurnal Prikladnoi Khimii (Sankt-Peterburg, Russian Federation) (1990),  
63(6), 1376-83  
CODEN: ZPKHAB; ISSN: 0044-4618  
DT Journal  
LA Russian  
OS CASREACT 114:23247

L8 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1989:458184 CAPLUS  
DN 111:58184  
TI Short synthesis of C-aryl glucopyranosides of the papulacandin type  
AU Schmidt, Richard R.; Frick, Wendelin  
CS Fak. Chem., Univ. Konstanz, Konstanz, D-7750, Fed. Rep. Ger.  
SO Tetrahedron (1988), 44(23), 7163-9  
CODEN: TETRAH; ISSN: 0040-4020  
DT Journal  
LA English  
OS CASREACT 111:58184

L8 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1976:446771 CAPLUS  
DN 85:46771  
TI Pyrolobenzodiazepines  
IN Wright, William Blythe, Jr.  
PA American Cyanamid Co., USA  
SO U.S., 10 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

PI US 3947408 A 19760330 19740805  
PRAI US 1974-494657 A 19740805

=> S L7 NOT L8  
L9 196 L7 NOT L8  
=> D L8 ABS 7

L8 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AB High-temperature and -pressure reaction of (PCH2)2O with Ac2O gave PCH2OAc.  
The mechanism and optimization conditions of the reaction are discussed.

=>  
Connection closed by remote host

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LOGINID:SSSPAT16232CT

PASSWORD:

\*\*\*\*\* RECONNECTED TO STN INTERNATIONAL \*\*\*\*\*  
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FILE 'CAPLUS' ENTERED AT 08:11:59 ON 18 JUL 2005  
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)  
COST IN U.S. DOLLARS  
SINCE FILE ENTRY 38.74  
TOTAL SESSION 200.70

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE  
SINCE FILE ENTRY -0.73  
TOTAL SESSION -0.73

=> D HIS

(FILE 'HOME' ENTERED AT 07:59:47 ON 18 JUL 2005)

FILE 'REGISTRY' ENTERED AT 08:01:15 ON 18 JUL 2005  
STRUCTURE UPLOADED  
QUE L1  
5 S L2  
1562 S L2 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:01:42 ON 18 JUL 2005

511 S L4/RCT  
215 S L5 AND (BENZYL ESTER OR ACID OR LEWIS OR HETEROPOLY? OR POLYO  
206 S L6 NOT BENZYL ESTER  
10 S L6 NOT ACID  
196 S L7 NOT L8

=> S L9 AND ANHYDRIDE

197048 ANHYDRIDE  
31497 ANHYDRIDES  
207170 ANHYDRIDE

(ANHYDRIDE OR ANHYDRIDES)

21 L9 AND ANHYDRIDE

=> D 1-21

L10 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2005 ACS ON STN

AN 2004:641912 CAPLUS

DN 141:313882

TI Sulfamic acid as a cost-effective catalyst instead of

metal-containing acids for acetalysis of cyclic ethers

AU Wang, Bo; Gu, Yanlong; Gong, Weizhong; Kang, Yuru; Yang, Liming; Suo,

Jishuan

CS State Key Laboratory for Oxo Synthesis and Selective Oxidation, Lanzhou

Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou,

730000, Peop. Rep. China

SO Tetrahedron Letters (2004), 45(35), 6599-6602

CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier

DT Journal

LA English

OS CASREACT 141:313882

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2005 ACS ON STN  
AN 2004:247001 CAPLUS  
DN 140:270626

TI Esterification process and catalysts for the preparation of benzyl  
carboxylate esters from dibenzyl ethers and/or alcohols and carboxylic

acid anhydrides

IN Ooms, Pieter; Schenke, Bernd-Ulrich

PA Bayer Chemicals A.-G., Germany

SO Eur. Pat. Appl., 11 pp.

CODEN: EPXKDW

DT Patent

LA German

FAN.CNT 1

APPLICANTS

APPLICATION NO.

DATE

PI EP 1400506 A2 20040324 EP 2003-19635 20030905  
EP 1400506 A3 20040407

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, RU, SK

DE 10243200 A1 20040408 DE 2002-10243200 20020918

US 2004127737 A1 20040701 US 2003-664307 20030917

JP 2004107348 A2 20040408 JP 2003-326588 20030918

PRAI DE 2002-10243200 A 20020918

OS CASREACT 140:270626; MARPAT 140:270626

L10 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2005 ACS ON STN

AN 2003:76587 CAPLUS

DN 138:131166

TI Use of trifluoroacetyl alkyl-substituted phenyl derivatives, phenol  
derivatives, and benzoyl derivatives in the treatment and/or prophylaxis  
of obesity and accompanying diseases and/or secondary diseases

IN Antel, Jochen; Waldeck, Harald; Potthoff, Andreas; Immer, Sabine; Gregory,

Peter-Colin

PA Solvay Pharmaceuticals GmbH, Germany

SO PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

PI WO 2003007923 A2 20030130 WO 2002-EP7782 20020712

WO 2003007923 A3 20040108

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

LS, LT, LU, LV, NA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH,

PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TN, TR, TT, TZ,

UA, UG, US, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,

KG, KM, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,

FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,

CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10135027 A1 20030206 DE 2001-10135027 20010718

CA 2455483 A2 20030130 CA 2002-2455483 20020712

EP 1420771 A2 20040526 EP 2002-764680 20020712

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

BR 2002011196 A 20041026 BR 2002-11196 20020712

JP 200500329 T2 20050106 JP 2003-513532 20020712

US 2004214901 A1 20041028 US 2004-758240 20040116

PRAI DE 2001-10135027 A 20010718  
 WO 2002-EF7782 W 20020712  
 OS MARPAT 138:131166

L10 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2002:793403 CAPLUS  
 DN 137:310931  
 TI Preparation of phenylalkanoic acid derivatives as preventive or remedial agents for digestive tract diseases  
 IN Horizoe, Tatsuo; Shinoda, Masanobu; Emori, Eita; Matsura, Fumiyoshi; Kaneko, Toshihiko; Ohi, Norihito; Kasai, Shunji; Yoshitomi, Hideki; Yamazaki, Kazuto; Miyashita, Sadakazu; Hihara, Taro; Seiki, Takashi; Clark, Richard; Harada, Hitoshi  
 PA Elasi Co., Ltd., Japan  
 SO PCT Int. Appl., 344 pp.  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE  
 PI WO 2002080899 A1 20021017 WO 2002-JP3006 20020327  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, BG, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI JP 2001-101465 A 20010330  
 OS MARPAT 137:310931  
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2002:695962 CAPLUS  
 DN 137:232680  
 TI Preparation of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication  
 IN Keegan, Kathleen S.; Kesicki, Edward A.; Gaudino, John Joseph; Cook, Adam Wade; Cowen, Scott Douglas; Burgess, Laurence Edward  
 PA Icos Corporation, USA  
 SO PCT Int. Appl., 236 pp.  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE  
 PI WO 2002070494 A1 20020912 WO 2002-US6452 20020301  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, BG, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI DE 2439709 AA 20020912 CA 2002-2439709 20020301  
 US 2003069284 A1 20030410 US 2002-87715 20020301  
 EP 1379510 A1 20040114 EP 2002-728396 20020301  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR 2002-569814 20020301  
 JP 2004523568 20040805 JP 2002-7811 20020301  
 BR 2002007811 A 20050201 BR 2002-7811 20020301  
 ZA 2003006721 A 20040503 ZA 2003-6721 20030828  
 NO 2003003858 A 20031010 NO 2003-3858 20030901  
 PRAI US 2001-273124P P 20010302  
 OS MARPAT 137:232680  
 RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2002:171866 CAPLUS  
 DN 136:232313  
 TI Preparation of pyrimidine derivatives as G protein-coupled receptor kinase (GPR) inhibitors  
 IN Fukumoto, Shoji; Watanabe, Toshifumi; Ikeda, Shota  
 PA Takeda Chemical Industries, Ltd., Japan  
 SO PCT Int. Appl., 322 pp.  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE  
 PI WO 2002018350 A1 20020307 WO 2001-JP7397 20010829  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, BG, CA, CH, CN, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI JP 2000-264499 A 20000829  
 OS MARPAT 136:232313  
 RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2001:557262 CAPLUS  
 DN 135:273314  
 TI Preparation and characterization of some new unsaturated polyesters based on 3,6-bis(methoxymethyl)urene  
 AU Tawfik, S. Y.  
 CS Department of Polymers and Pigments, National Research Center, Giza, Egypt  
 SO Journal of Applied Polymer Science (2001), 81(14), 3388-3398  
 PB John Wiley & Sons, Inc.  
 DT Journal  
 LA English  
 RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2001:545697 CAPLUS

DN 135:137633  
TI Preparation of saframycin-ecteinascidin analogs and their therapeutic applications  
IN Danishefsky, Samuel J.; Zhou, Bishan  
PA The Trustees of Columbia University in the City of New York, USA  
SO PCT Int. Appl., 115 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001053299	A1	20010726	WO 2001-US1877	20010119
WO 2001053299	C2	20021024		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OL, OM, OS, PA, PE, PG, PH, PK, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, CA, CH, CN, CU, CZ, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, CZ, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2397597	AA	20010726	CA 2001-2397597	20010119
US 2002025962	A1	20020228	US 2001-765515	20010119
US 6686470	B2	20040203		
EP 1254140	A1	20021106	EP 2001-903151	20010119
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, MK, CY, AL, TR, JP, 20030708				
JP 200320801	T2	20030708	JP 2001-553773	20010119
US 2004127709	A1	20040701	US 2003-728580	20031205
PRAI US 2000-177071P	P	20000119		
US 2001-765515	A3	20010119		
WO 2001-US1877	W	20010119		
OS MARPAT 135:137633				
RE.CNT 2	THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L10 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2001:294959 CAPLUS  
DN 134:311107  
TI Preparation of 1,3-dioxolindole-5-carboxanilides as inhibitors of purine salvage phosphoribosyltransferases  
IN Aronov, Alex M.; Munagala, Narasimha R.; Ortiz de Montellano, Paul R.; Kuntz, Irwin D.; Wang, Ching C.  
PA Regents of the University of California, USA  
SO U.S., 15 pp.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 6221877	B1	20010424	US 2000-547531	20000412
PRAI US 2000-547531				
OS MARPAT 134:311107				
RE.CNT 24	THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L10 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:354476 CAPLUS  
DN 131:18840  
TI Preparation of biphenylamide derivatives as factor Xa inhibitors  
IN Tekano, Yasunobu; Nakada, Tomohisa; Hara, Takayuki; Sugiura, Satoshi;

TSutsumi, Takaharu; Takarada, Reiko; Takazawa, Yoshiharu  
PA Teijin Limited, Japan  
SO PCT Int. Appl., 82 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9926919	A1	19990603	WO 1998-JP5210	19981119
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KR, KZ, LC, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, OL, OM, OS, PA, PE, PG, PH, PK, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, BG, BR, CA, CH, CN, CU, CZ, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2310330	AA	19990603	CA 1998-2310330	19981119
AU 9911741	A1	19990615	AU 1999-11741	19981119
AU 736112	B2	20010726		
EP 1043311	A1	20001011	EP 1998-954748	19981119
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NZ 504324	A	20020201	NZ 1998-504324	19981119
US 6348478	B1	20020219	US 2000-554449	20000515
NO 2000002588	A	20000626	NO 2000-2588	20000519
PRAI JP 1997-319696	A	19971120		
OS MARPAT 131:18840	W	19981119		
RE.CNT 8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L10 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1999:325899 CAPLUS  
DN 130:337922  
TI Preparation of carbamimidoylarylamides with inhibition of tryptase activity  
IN Burgess, Laurence; Rizzi, James P.  
PA Array Biopharma, Inc., USA  
SO PCT Int. Appl., 146 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9924395	A1	19990520	WO 1998-US23361	19981103
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KR, KZ, LC, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, OL, OM, OS, PA, PE, PG, PH, PK, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, BG, BR, CA, CH, CN, CU, CZ, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6221914	B1	20010424	US 1998-179781	19981027
AU 9913012	A1	19990531	AU 1999-13012	19981103
ZA 9810046	A	19991103	ZA 1998-10046	19981103
PRAI US 1997-65026P	P	19971110		
US 1998-179781	A	19981027		
WO 1998-US23361	W	19981103		
OS CASREACT 130:337922; MARPAT 130:337922				
RE.CNT 16	THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD			



ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1997-218623 CAPLUS  
 DN 126:212048  
 TI Substituted aromatic compounds and their pharmaceutical use as inhibitors of TNF and PDE IV.  
 IN Aldous, David John; Smith, Graham Frank; Astles, Peter Charles; Pickett, Stephen Dennis; McLeay, Iain McFarlane; Stuttle, Keith Alfred James; Ratcliffe, Andrew James; et al.  
 PA Rhone-Poulenc Rorer Limited, UK  
 SO PCT Int. Appl., 159 pp.  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE  
 PI WO 9703967 A1 19970206 WO 1996-GB1746 19960722  
 W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE  
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CG, CI, CM 19960722  
 AU 9665268 A1 19970218 AU 1996-65268  
 PRAI GB 1995-15058 A 19950722  
 GB 1995-15729 A 19950801  
 GB 1996-4531 A 19960302  
 US 1996-14212P P 19960327  
 WO 1996-GB1746 W 19960722  
 MARPAT 126:212048

L10 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1996-616040 CAPLUS  
 DN 125:328557  
 TI Polymer- and dendrimer-bound Ti-TADDOlates in catalytic (and stoichiometric) enantioselective reactions. Are pentacoordinate cationic Ti complexes the catalytically active species?  
 AU Seebach, Dieter; Marti, Roger E.; Hintermann, Tobias  
 CS Laboratorium Organische Chem., Eidgenossische Technische Hochschule, Zurich, CH-8092, Switz.  
 SO Helvetica Chimica Acta (1996), 79(6), 1710-1740  
 CODEN: HOCARV; ISSN: 0018-019X  
 PB Verlag Helvetica Chimica Acta  
 DT Journal  
 LA English  
 OS CASREACT 125:328557

L10 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1995-261301 CAPLUS  
 DN 123:83996  
 TI Preparation of  $\alpha$ -(2-(alkyl)phenyl)-2-aminoalkanoic acids as antagonists of excitatory amino acid receptors  
 IN Hamilton, Gregory S.  
 PA Guilford Pharmaceuticals Inc., USA  
 SO U.S., 15 pp.  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE  
 PI US 5364876 A 19941115 US 1992-984452 19921202

PRAI US 1992-984452 19921202  
 OS MARPAT 123:83998

L10 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1994-655405 CAPLUS  
 DN 121:255405  
 TI Catechol diethers as selective phosphodiesterase IV inhibitors  
 IN Duplantier, Allen J.; Eggler, James F.; Marfat, Anthony; Masamune, Hiroko  
 PA Pfizer Inc., USA  
 SO PCT Int. Appl., 159 pp.  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE  
 PI WO 9412461 A1 19940609 WO 1993-US10228 19931029  
 W: AU, BR, CA, CZ, JP, KR, NO, NZ, PL, RU, US  
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE  
 CA 2150812 C 20021224 CA 1993-2150812 19931029  
 CA 2150812 C 20021224 CA 1993-2150812 19931029  
 CA 2400368 AA 19940609 CA 1993-2400368 19931029  
 AU 9455396 A1 19940622 AU 1994-55396 19931029  
 AU 673569 B2 19961114  
 EP 672031 A1 19950920 EP 1994-900390 19931029  
 EP 672031 B1 20030312  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, NL, PT, SE  
 JP 08501318 T2 19960213 JP 1994-513129 19931029  
 JP 3100984 B2 20001023  
 BR 9307570 A 19990525 BR 1993-7570 19931029  
 AT 234270 E 20030315 AT 1994-900390 19931029  
 PT 672031 T 20030630 PT 1994-900390 19931029  
 ES 2192192 T3 20031001 ES 1994-900390 19931029  
 IL 107758 A1 19971120 IL 1993-107758 19931125  
 FI 9305379 A 19940603 FI 1993-5379 19931201  
 ZA 9308978 A 19950601 ZA 1993-8978 19931201  
 HU 63928 A2 19940728 HU 1993-3423 19931202  
 CN 1094028 A 19941026 CN 1993-112776 19931202  
 NO 9502178 A 19950801 NO 1995-2178 19950601  
 US 5814651 A 19921202 US 1997-872686 19970610  
 PRAI US 1992-984408  
 WO 1993-2150812 A3 19931029  
 WO 1993-US10228 W 19931029  
 US 1993-142328 B3 19931126  
 MARPAT 121:255405

L10 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1991:449116 CAPLUS  
 DN 115:49116  
 TI Catalyst-free esterification of carboxylic anhydrides with ethers under pressure  
 IN Wallach, Dagobert; Ondruschka, Bernd; Zimmermann, Gerhard; Anders, Klaus; Vorwerk, Doris  
 PA Akademie der Wissenschaften der DDR, Germany  
 SO Ger. (East), 3 pp.  
 CODEN: GEXXAB  
 DT Patent  
 LA German  
 FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE  
 PI DD 286576 A5 19910131 DD 1989-330239 19890630  
 PRAI DD 1989-330239 19890630  
 OS CASREACT 115:49116

L10 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1990:631765 CAPLUS  
 DN 113:231765  
 TI Improved procedure for the cleavage of alkyl and benzyl ethers with zinc iodide  
 AU Benedetti, M. O. Violeta; Montegudo, Edith S.; Burton, Gerardo  
 CS Fac. Cienc. Exactas Nat., Univ. Buenos Aires, Buenos Aires, 1428, Argent.  
 SO Journal of Chemical Research, Synopses (1990), (8), 248-9  
 CODEN: JRPCSD; ISSN: 0308-2342  
 DT Journal  
 LA English  
 OS CASREACT 113:231765  
 L10 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1990:197375 CAPLUS  
 DN 112:197375  
 TI Cooxidation reactions during oxidations of superoxide with polyhalides, carbon dioxide, phosphates, and acyl halides  
 AU Nagano, Tetsuo; Yamamoto, Hiroshi; Hirobe, Masaaki  
 CS Fac. Pharm. Sci., Univ. Tokyo, Tokyo, 113, Japan  
 SO Journal of the American Chemical Society (1990), 112(9), 3529-35  
 CODEN: JACSAT; ISSN: 0002-7863  
 DT Journal  
 LA English  
 L10 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1989:192424 CAPLUS  
 DN 110:192424  
 TI Method of producing diphenyl methane  
 IN Shakhnazaryan, G. M.; Sagatelyan, S. A.; Nersisyan, G. G.; Aslanyan, M. G.  
 PA All-Union Scientific-Research Institute of Chemical Reagents and Pure Chemical Substances, Erevan, USSR  
 SO U.S.S.R.  
 FROM: Ockrytiya, Izobret. 1988, (35), 94.  
 CODEN: URXXAF  
 DT Patent  
 LA Russian  
 FAN.CNT 1  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 SU 1425184 A1 19880923 SU 1986-4100460 19860730  
 PRAI SU 1986-4100460  
 OS CASREACT 110:192424  
 L10 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1988:7893 CAPLUS  
 DN 108:7893  
 TI Highly active and selective rhodium carbonylation catalyst systems with iodide promoters  
 IN Paulik, Frank E.; Hershman, Arnold; Knox, Walter R.; Roth, James F.  
 PA Monsanto Co., USA  
 SO U.S., 23 PP. Cont.-in-part of U.S. Ser. No. 248,777, abandoned.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 5  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 US 4590912 A 19870901 US 1983-541845 19831014  
 CS 187303 P 19790131 CS 1968-2507 19680403  
 SE 364255 B 19740218 SE 1968-4530 19680404  
 BE 713296 A 19681007 BE 1968-713296 19680405  
 NL 6804850 A 19681007 NL 1968-4850 19680405

FR 1573131  
 ES 352431  
 GB 1233121  
 GB 1233122  
 AT 295487  
 BR 6898142  
 SU 453824  
 PL 79864  
 DE 1767151  
 DE 1767151  
 US 3769329  
 US 3769329  
 US 3813428  
 US 4732620  
 US 5003104  
 PRAI US 1967-628581  
 US 1968-701637  
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 US 1970-2377  
 US 1970-2413  
 US 1971-128519  
 US 1972-263332  
 US 1973-391103  
 US 1977-824577  
 US 1981-248777  
 US 1987-628578  
 US 1968-701636  
 US 1968-701638  
 US 1968-701639  
 US 1983-541845  
 US 1987-21384  
 OS CASREACT 108:7893  
 L10 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 1973:124300 CAPLUS  
 DN 78:124300  
 TI Cleavage of ethers by means of mixed sulfonic-carboxylic anhydrides and new mixed esters obtained  
 IN Mazur, Yehuda; Karger, Michael  
 PA Yeda Research and Development Co., Ltd.  
 SO Israel, 22 PP.  
 CODEN: ISXXAQ  
 DT Patent  
 LA English  
 FAN.CNT 1  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
 IL 29873 A1 19730130 IL 1968-29873 19680423  
 PRAI IL 1968-29873 A 19680423  
 => D ABS 17  
 L10 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2005 ACS on STN  
 AB Zn12 in the presence of acylating agents, e.g., acid chlorides and anhydrides, cleaved alkyl and benzyl ethers under mild conditions. The reaction proceeded with retention of configuration for 3p-methoxypropen-5-en-20-one with Zn12-Ac2O giving 81% 3p-acetoxypren-5-en-20-one.

=> LOG HOLD  
 COST IN U.S. DOLLARS  
 SINCE FILE ENTRY  
 TOTAL SESSION

FULL ESTIMATED COST 67.98 229.94  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL  
ENTRY -1.46  
CA SUBSCRIBER PRICE  
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LOGINID:SSSPTAI623ZCT

PASSWORD:

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ENTRY 68.43  
FULL ESTIMATED COST 230.39  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL  
ENTRY -1.46  
CA SUBSCRIBER PRICE

=> S REACTION AND MECHANISM AND ETHER AND ESTER AND ANHYDRIDE

2817989 REACTION  
2032772 REACTIONS  
3768550 REACTION (REACTION OR REACTIONS)  
1181171 MECHANISM  
531614 MECHANISMS  
1578910 MECHANISM (MECHANISM OR MECHANISMS)  
463468 ETHER  
142401 ETHERS  
522059 ETHER (ETHER OR ETHERS)  
563781 ESTER  
420249 ESTERS  
787260 ESTER (ESTER OR ESTERS)  
197048 ANHYDRIDE  
31497 ANHYDRIDES  
207170 ANHYDRIDE (ANHYDRIDE OR ANHYDRIDES)  
L11 264 REACTION AND MECHANISM AND ETHER AND ESTER AND ANHYDRIDE  
=> S L11 AND BENZYL ADJ ACETATE  
169374 BENZYL  
52 BENZYL  
168396 BENZYL (BENZYL OR BENZYL)  
226 ADJ  
491410 ACETATE  
27528 ACETATES  
502647 ACETATE

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(BENZYL(W)ADJ(W)ACETATE)  
L12 0 L11 AND BENZYL ADJ ACETATE  
=> FILE CAPLUS  
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ENTRY 84.00  
FULL ESTIMATED COST 245.96  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL  
ENTRY -1.46  
CA SUBSCRIBER PRICE

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Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L14 16740 L13

=> FILE REG SINCE FILE TOTAL  
COST IN U.S. DOLLARS ENTRY 0.45  
FULL ESTIMATED COST 251.89  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL  
ENTRY 0.00  
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STRUCTURE FILE UPDATES: 17 JUL 2005 HIGHEST RN 855596-49-5  
DICTIONARY FILE UPDATES: 17 JUL 2005 HIGHEST RN 855596-49-5

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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\*\*\*\*\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*\*\*\*\*

Crossover limits have been increased. See HELP CROSSOVER for details.  
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> S ACETIC ANHYDRIDE/CN  
L15 1 ACETIC ANHYDRIDE/CN  
=> S BENZYL ACETATE/CN  
L16 1 BENZYL ACETATE/CN  
=> S DIBENZYL ETHER/CN  
L17 1 DIBENZYL ETHER/CN

=> FILE CAPLUS  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
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FILE COVERS 1907 - 18 JUL 2005 VOL 143 ISS 4

FILE LAST UPDATED: 17 JUL 2005 (20050717/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L15 AND L16 AND L17  
16740 L15  
2620 L16  
1104 L17

L18 11 L15 AND L16 AND L17

=> D 1-11

L18 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:641912 CAPLUS  
DN 141:313882  
TI Sulfamic acid as a cost-effective catalyst instead of metal-containing acids for acetylation of cyclic ethers  
AU Wang, Bo; Gu, Yanlong; Gong, Weizhong; Kang, Yuru; Yang, Liming; Suo, Jishuan  
CS State Key Laboratory for Oxo Synthesis and Selective Oxidation, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou, 730000, Peop. Rep. China  
SO Tetrahedron Letters (2004), 45(35), 6599-6602  
CODEN: TELEAY; ISSN: 0040-4039  
PB Elsevier  
DT Journal  
LA English  
OS CASREACT 141:313882

RE.CNT 10  
THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 2004:247001 CAPLUS  
DN 140:270626  
TI Esterification process and catalysts for the preparation of benzyl carboxylate esters from dibenzyl ethers and/or alcohols and carboxylic acid anhydrides  
IN Ooms, Pieter; Schenke, Bernd-Ulrich  
PA Bayer Chemicals A.-G., Germany  
SO Eur. Pat. Appl., 11 pp.  
CODEN: EFXIXM  
DT Patent  
LA German  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1400506	A2	20040324	EP 2003-19635	20030905
EP 1400506	A3	20040407		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK		
DE 10243200	A1	20040408	DE 2002-10243200	20020918
US 2004127737	A1	20040701	US 2003-664307	20030917
JP 2004107348	A2	20040408	JP 2003-326588	20030918
PRAI DE 2002-10243200	A	20020918		
OS CASREACT 140:270626; MARPAT 140:270626				
L18 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN				
AN 2002:185052 CAPLUS				
DN 136:233896				
TI Manufacture of carboxylic acid benzyl esters from dibenzyl ethers				
IN Ooms, Pieter; Schenke, Bernd-Ulrich				



PATENT NO. KIND DATE APPLICATION NO. DATE  
PI DD 286577 A5 19910131 19890630  
PRAI DD 1989-330240 DD 1989-330240 19890630  
OS CASREACT 114:228550

L18 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1985:141786 CAPLUS  
DN 102:141786  
TI Solvent polarity parameters and their mutual interrelations  
AU Stolarova, Marie; Buchtova, Marie; Bekarek, Vojtech  
CS Inst. Anal. Org. Chem., Fac. Nat. Sci., Olomouc, 77146, Czech.  
SO Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium  
(1984), 79(Chem: 23), 77-88  
CODEN: AUMNAD; ISSN: 0472-9005  
Journal  
LA English

L18 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1982:122314 CAPLUS  
DN 96:122314  
TI Acylative cleavage of ethers catalyzed by triorganotin halides and  
palladium(II) complexes  
AU Pri-Bar, I.; Stille, J. K.  
CS Dep. Chem., Colorado State Univ., Fort Collins, CO, 80523, USA  
SO Journal of Organic Chemistry (1982), 47(7), 1215-20  
CODEN: JOCEAH; ISSN: 0022-3263  
Journal  
LA English  
OS CASREACT 96:122314

L18 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AN 1973:124300 CAPLUS  
DN 78:124300  
TI Cleavage of ethers by means of mixed sulfonic-carboxylic anhydrides and  
new mixed esters obtained  
IN Mazur, Yehuda; Karger, Michael  
PA Yeda Research and Development Co., Ltd.  
SO Israeli, 22 pp.  
CODEN: ISXXAQ  
Patent  
LA English  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
PI IL 29873 A1 19730130 19680423  
PRAI IL 1968-29873 A 19680423

=> D ABS 11

L18 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AB Sulfonic-carboxylic anhydrides were prepared and used for the cleavage of  
ethers. Thus acetyl p-toluenesulfonate (I) was prepared (97.5%) by the  
reaction of p-toluenesulfonic acid and excess AcCl. A mixture of crude I,  
MeCN, and excess Bu2O was refluxed to give 50% Bu tosylate and some BuOAc.  
Iso-Pr2O, (PhCH2)2O (to 50% PhCH2OAc and 30% benzyl tosylate), THF (to 73%  
AcO(CH2)4O3SC6H4Me-p), 2-methyltetrahydrofuran (to 95%  
AcO(CH2)3CHMeO3SC6H4Me-p) and dioxane (to 87% AcO(CH2)2O3SC6H4Me-p)  
were cleaved analogously. Propionyl p-toluenesulfonate was prepared and  
used similarly.

=> D ABS 7-8

L18 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AB A process for the preparation of carboxylate esters from cyclic or acyclic  
ethers comprises treatment with aliphatic or aromatic carboxylic anhydrides in  
a 3:1-1:1 ratio at 450-630 K at 0.1-20 MPa in a reaction zone. The process  
produces esters free of catalysts. PhCH2OMe (0.3 mol) and Ac2O (0.3 mol)  
were contacted in a reaction zone at 573 K and 6.5 MPa initial hydrogen  
pressure for 20 min; the selectivity toward formation of MeCO2CH2Ph was  
42% and toward formation of MeCO2Me 31%; conversion was 50%. Heating  
PhCH2OMe (0.3 mol) and Ac2O (0.3 mol) at reflux for 23 h gave a conversion  
of 2.1% and a selectivity toward MeCO2CH2Ph and MeCO2Me of 10% and 8%,  
resp.

L18 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2005 ACS on STN  
AB A process for the preparation of MeCO2CH2Ph from a byproduct of perfume  
manufacture  
comprises the treatment of (PhCH2)2O with Ac2O in a 3:1-1:1 ratio at  
450-630K and 0.1-2.0 MPa for 1-200 min in a reaction zone and isolation of  
MeCO2CH2Ph. A mixture of (PhCH2)2O (0.3 mol) and Ac2O (0.3 mol) was heated  
to 573 K at 20 MPa for 20 min to give MeCO2CH2Ph with a 79% selectivity at  
51% conversion of starting materials. The reaction of equimolar amts. of  
(PhCH2)2O and Ac2O at reflux for 25 h gave MeCO2CH2Ph with 10% selectivity  
after conversion of 1.4% of starting materials.

=> LOGOFF  
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF  
LOGOFF? (Y)/N/HOLD:Y  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  
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STN INTERNATIONAL LOGOFF AT 08:37:23 ON 18 JUL 2005  
SINCE FILE ENTRY 22.60  
TOTAL SESSION 288.72  
SINCE FILE ENTRY -2.19  
TOTAL SESSION -3.65

← OF INTEREST,  
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NVT  
(ACO)2